

Results for the 10'x180' circular tank with ramp:

Circular tank:

Tank Diameter = 180 ft

Tank Wall thickness = 10 in (actual)

Tank Height = 10 ft

$f_y = 60,000$ psi

$f'_c = 4,000$ psi

Horizontal Steel = #5 rebar		
Bar #	Spacing (in)	Distance from finished floor (ft - in)
1	3	0' 3"
2	12	1' 3"
3	12	2' 3"
4	10	3' 1"
5	10	3' 11"
6	8	4' 7"
7	8	5' 3"
8	8	5' 11"
9	8	6' 7"
10	8	7' 3"
11	6	7' 9"
12	6	8' 3"
13	6	8' 9"
14	6	9' 3"
15	6	9' 9"

Vertical Steel = #4 @ 9" O.C.

Dowels "L" bars from tank to footing shall be #4 @ 9" O.C. 26" vertical leg, 8" horizontal leg

For a length of 60 feet, centered on the ramp:


Substitute #5 @ 9" O.C. vertical steel in each face for the #4 @ 9" O.C. vertical steel in each face.

In the tank wall, at the corner of the notch for the ramp add:

3-#6 bars x 9'-10" long @ 6" O.C. vertically.

3-#6 bars x 20' long @ 6" O.C. horizontally.

4-#6 bars x 6' long @ 6" O.C. at a 45 degree angle.

 Natural Resources Conservation Services United States Department of Agriculture	<p>_____ County, PA</p> <p>ROUND TANK W/RAMP</p> <p>DETAIL Page 6.17</p>	Designed <u>PA NRCS</u> <u>12/01</u>
		Drawn <u>Hartz</u> <u>2/1/08</u>
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